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**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

APPLICANT: Terumi SUNAGA )  
SERIAL NO: 08/820,608 ) Group Art Unit: 2732  
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VANDERPUYE ) Examiner: K.  
TITLE: SPREAD SPECTRUM COMMUNICATION TRANSMITTER AND  
RECEIVER, AND CDMA MOBILE COMMUNICATION SYSTEM

**CLEAN VERSION WITH CHANGES MADE TO AMENDED CLAIM 19**

19. ~~A transmitter used in a CDMA mobile communication system as claimed in claim 18, further comprising:~~

~~a pilot channel transmit unit which intermittently transmits a pilot signal in a spread spectrum formation, the pilot signal having a period shorter than an interval in which the pilot signal is intermittently transmitted; and~~

~~traffic channel transmit units which respectively transmit data signals in respect of traffic channels.~~

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